



1600

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RAW SEQUENCE LISTING

DATE: 04/12/2002

PATENT APPLICATION: US/09/549,463A

TIME: 14:01:45

Input Set : A:\EP.txt

Output Set: N:\CRF3\04122002\I549463A.raw

3 <110> APPLICANT: Hatteboer, Guus
 4 Verhulst, Karine Cornelia
 5 Schouten, Govert Johan
 6 Uytdehaag, Alphonsus Gerardus Cornelis Maria
 7 Bout, Abraham
 9 <120> TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN A HUMAN CELL
 11 <130> FILE REFERENCE: 4038.1US
 13 <140> CURRENT APPLICATION NUMBER: 09/549,463A
 15 <141> CURRENT FILING DATE: 2000-04-14
 16 <150> PRIOR APPLICATION NUMBER: 06/129,452
 18 <151> PRIOR FILING DATE: 1999-04-15
 20 <160> NUMBER OF SEQ ID NOS: 32
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 41
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: PCR Primer-DHFR up, synthesized sequence
 32 <400> SEQUENCE: 1
 33 gatccacgtg agatctccac catggttggt tcgctaaact g 41
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 37
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: PCR Primer-DHFR down, synthesized sequence
 44 <400> SEQUENCE: 2
 45 gatccacgtg agatctttaa tcattcttct catatac 37
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 85
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction
 fragment from
 55 digestion of pIPspAdapt 6 with AgeI and Bam HI
 57 <400> SEQUENCE: 3
 58 accggtgaat tcggcgcgcc gtcgacgata tcgateggac cgacgcgttc gcgagcggcc 60
 60 gcaattcgct agcgtaaagc gatcc 85
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 86
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial Sequence

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68 <220> FEATURE:

69 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction
fragment from

70 digestion of pIPspAdapt7 with AgeI and Bam HI

72 <400> SEQUENCE: 4

73 accggtgaat tgcggcgcgt cgcgaacgcg tcgggtccgta tcgatatcgt cgacggcgcg 60

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78 <210> SEQ ID NO: 5

79 <211> LENGTH: 43

80 <212> TYPE: DNA

81 <213> ORGANISM: Artificial Sequence

83 <220> FEATURE:

84 <223> OTHER INFORMATION: PCR Primer-EPO-START, synthesized sequence

86 <400> SEQUENCE: 5

87 aaaaaggatc cgccaccatg ggggtgcacg aatgtcctgc ctg 43

90 <210> SEQ ID NO: 6

91 <211> LENGTH: 38

92 <212> TYPE: DNA

93 <213> ORGANISM: Artificial Sequence

95 <220> FEATURE:

96 <223> OTHER INFORMATION: PCR Primer-EPO-STOP, synthesized sequence

98 <400> SEQUENCE: 6

99 aaaaaggatc ctcatctgtc ccctgtcctg caggcctc 38

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103 <211> LENGTH: 47

104 <212> TYPE: DNA

105 <213> ORGANISM: Artificial Sequence

107 <220> FEATURE:

108 <223> OTHER INFORMATION: PCR Primer-LTR-1, synthesized sequence

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111 ctgtacgtac cagtgcactg gcctaggcat ggaaaaatac ataactg 47

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115 <211> LENGTH: 64

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117 <213> ORGANISM: Artificial Sequence

119 <220> FEATURE:

120 <223> OTHER INFORMATION: PCR Primer-LTR-2, synthesized sequence

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123 gcggatccctt cgaaccatgg taagcttggt accgctagcg ttaaccgggc gactcagtca 60

125 atcg 64

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129 <211> LENGTH: 28

130 <212> TYPE: DNA

131 <213> ORGANISM: Artificial Sequence

133 <220> FEATURE:

134 <223> OTHER INFORMATION: PCR Primer-HSA1, synthesized sequence

136 <400> SEQUENCE: 9

137 gcgccaccat gggcagagcg atggtggc 28

140 <210> SEQ ID NO: 10

141 <211> LENGTH: 50

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145 <220> FEATURE:
146 <223> OTHER INFORMATION: PCR Primer-HSA2, synthesized sequence
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153 <211> LENGTH: 10
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Oligonucleotide, synthesized sequence, EcoRI linker
160 <400> SEQUENCE: 11
161 ttaagtcgac      10
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 10
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, EcoRI linker
172 <400> SEQUENCE: 12
173 ttaagtcgac      10
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 23
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179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PacI linker
184 <400> SEQUENCE: 13
185 aattgtctta attaacgct taa      23
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189 <211> LENGTH: 67
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-1
196 <400> SEQUENCE: 14
197 gccatcccta ggaagcttgg taccggtgaa ttcgctagcg ttaacggatc ctctagacga      60
199 gatctgg      67
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 67
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-2
210 <400> SEQUENCE: 15
211 ccagatctcg totagaggat ccgttaacgc tagcgaattc accggtacca agcttcctag      60
213 ggatggc      67
216 <210> SEQ ID NO: 16

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217 <211> LENGTH: 39
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219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: PCR Primer-CMVplus, synthesized sequence
224 <400> SEQUENCE: 16
225 gatcgggtacc actgcagtgg tcaatattgg ccattagcc 39
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 29
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: PCR Primer-CMVminA, synthesized sequence
236 <400> SEQUENCE: 17
237 gatcaagctt ccaatgcacc gttcccggc 29
240 <210> SEQ ID NO: 18
241 <211> LENGTH: 34
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: PCR Primer-CAMH-UP, synthesized sequence
248 <400> SEQUENCE: 18
249 gatcgatata gctagcacca agggcccatc ggtc 34
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 30
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
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260 <400> SEQUENCE: 19
261 gatcgtttaa actcatttac ccggagacag 30
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 28
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: PCR Primer-CAML-UP, synthesized sequence
272 <400> SEQUENCE: 20
273 gatccgtacg gtggtgcac catctgtc 28
276 <210> SEQ ID NO: 21
277 <211> LENGTH: 31
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: PCR Primer-CAML-DOWN, synthesized sequence
284 <400> SEQUENCE: 21
285 gatcgtttaa acctaacact ctccccgtgtt g 31
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 20

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290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: leader peptide sequence, synthesized sequence
296 <400> SEQUENCE: 22
298 Met Ala Cys Pro Gly Phe Leu Trp Ala Leu Val Ile Ser Thr Cys Leu
299 1           5           10           15
302 Glu Phe Ser Met
303           20
306 <210> SEQ ID NO: 23
307 <211> LENGTH: 60
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized
sequence
314 <400> SEQUENCE: 23
315 atggcatgcc ctggcttccct gtgggcactt gtgatctcca cctgtcttga attttccatg      60
318 <210> SEQ ID NO: 24
319 <211> LENGTH: 38
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: PCR Primer-UBS-UP, synthesized sequence
326 <400> SEQUENCE: 24
327 gatcacgcgt gctagccacc atggcatgcc ctggcttc      38
330 <210> SEQ ID NO: 25
331 <211> LENGTH: 20
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: leader peptide, synthesized sequence
338 <400> SEQUENCE: 25
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341 1           5           10           15
344 Glu Phe Ser Met
345           20
348 <210> SEQ ID NO: 26
349 <211> LENGTH: 60
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized
sequence
356 <400> SEQUENCE: 26
357 atggcatgcc ctggcttccct gtgggcactt gtgatctcca cctgtcttga attttccatg      60
360 <210> SEQ ID NO: 27
361 <211> LENGTH: 28
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/549,463A

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